

Space Weather Workshop

Millennium Hotel – Boulder, CO

April 13 - 17, 2015

Poster Titles and Authors

Posters may be on display from Tuesday morning through Thursday afternoon. We request that authors be in attendance at their posters during the poster session on the day indicated below.

General Space Weather Activities and Operational Services (Tuesday)

Cade, Trey (Baylor University)

Poster Number: G4

Poster - The Origin of "Space Weather"

De la Luz, Victor (UNAM Instituto de Geofísica)

Poster Number: G5

Eposter Scheduled: 1:00pm – 1:15pm, Millennium Room

Poster - The Infrastructure of the Mexican Space Weather Service (SCiESMEX)

Engell, Alexander (Weather Analytics)

Eposter Scheduled: 1:20pm – 1:35pm, Millennium Room

Poster Number: G7

Poster – Weather Analytics: Global & Space Weather Information Systems

Gonzalez Esparza, J. Americo (Instituto de Geofísica, Univ. Nacional Autonoma de México)

Poster Number: G6

Eposter Scheduled: 1:40pm – 1:55pm, Millennium Room

Poster - Mexican Space Weather Service (SCIESMEX)

Jonas, Seth (IDA)

Poster Number: G3

Poster - A History of Federal Involvement in Space Weather Forecasting

Knipp, Delores (University of Colorado, Boulder)

Poster Number: G1

Poster - Space Weather Journal

Schrijver, Karel (Lockheed Martin Advanced Technology Center)

Poster Number: G2

Poster - Understanding space weather to shield society: A global road map for 2015-2025
commissioned by COSPAR and ILWS

Solar and Interplanetary Research and Applications (Tuesday)

Biesecker, Douglas (NOAA)

Poster Number: S17

Poster - How DSCOVR Will Perform During Extreme Space Weather

Bisi, Mario (RAL Space, Science & Technology Facilities Council)

Poster Number: S21

Poster – Ongoing Faraday Rotation (FR) and Interplanetary Scintillation (IPS) Case-Study Analyses Using the LOw Frequency ARray (LOFAR)

Cash, Michele (University of Colorado)

Poster Number: S18

Poster - Development of an Operational L1 to Earth Delay Time Product

Corona-Romero, Pedro (SCiESMEX, Universidad Nacional Autonoma de Mexico)

Poster Number: S13

Eposter Scheduled: 2:00pm – 2:15pm, Millennium Room

Poster - SCiESMEX, fast forecasting of space weather through modeling energetic solar storms

Darnel, Jonathan (CIRES)

Poster Number: S19

Poster - Demonstration of GOES-R Solar Imagery Products

Den, Mitsue (National Institute of Information and Communications Technology)

Poster Number: S11

Poster - REPPU (REProduce Plasma Universe) code for space weather simulators developed at NICT: 3-dimensional MHD simulation codes for the solar surface and global solar wind structure

Fontenla, John (NorthWest Research Associates)

Poster Number: S20

Eposter Scheduled: 2:20pm – 2:35pm, Millennium Room

Poster - Status and Latest Improvements to SERFS

Guerra Aguilera, Jordan (The Catholic University of America)

Poster Number: S7

Poster - Ensemble Forecasting of Major Solar Flares

Henney, Carl (AFRL)

Poster Number: S9

Poster - Forecasting Solar UV & F10.7 with ADAPT

Hock-Mysliwiec, Rachel (Air Force Research Laboratory)

Poster Number: S8

Poster - Modeling the EUV Irradiance of Solar Flares

Hong, Sunhak (Korean Space Weather Center, National Radio Research Agency)

Poster Number: S22

Poster – Automatic Solar Synoptic Analyzer and High Speed Solar Wind Prediction

Jackson, Bernard (University of California, San Diego)

Poster Number: S10

Eposter Scheduled: 1:00pm – 1:15pm, Century Room

Poster - A Determination of the North-South Heliospheric Magnetic-Field Component from Inner-Corona Closed-Loop Propagation

Lee, Kangjin (Kyung Hee University)

Poster Number: S5

Eposter Scheduled: 1:20pm – 1:35pm, Century Room

Poster - Probabilistic Forecast Models of Solar Flares and CMEs

Leka, KD (NWRA)

Poster Number: S6

Poster - The NWRA Discriminant Analysis Flare Forecasting System (DAFFS)

McIntosh, Scott (National Center for Atmospheric Research)

Poster Number: S1

Poster - On The Seasons Of Space Weather

Murphy, Matthew (RIT)

Poster Number: S14

Eposter Scheduled: 1:40pm – 1:55pm, Century Room

Poster - Statistical Study of Interplanetary Coronal Mass Ejections with Strong Magnetic Fields

Nikolic, Ljubomir (Natural Resources Canada)

Poster Number: S12

Poster - Development of a solar wind forecast model

Parker, Linda (Jacobs Technology)

Poster Number: S15

Poster - The Advanced Composition Explorer Shock Database and Application to Particle Acceleration Theory

Rowland, William (CIRES/NGDC)

Poster Number: S16

Eposter Scheduled: 2:00pm – 2:15pm, Century Room

Poster - DSCOVR Archive and Retrospective User Access

Shibata, Kazunari (Kyoto University)

Poster Number: S2

Eposter Scheduled: 2:20pm – 2:35pm, Century Room

Poster - Superflares on Solar type Stars and Their Implications on the Possibility of Superflares on the Sun

Watari, Shinichi (National Institute of Information and Communications Technology)

Poster Number: S3

Poster - Statistics of events defined by UGEOA code and NOAA space weather scales

Winter, Lisa (AER)

Poster Number: S4

Poster - Developing an Empirical Model for Predicting Solar Energetic Particle Events

Ionosphere Research and Applications (Wednesday)

Atulkar, Roshni (National Institute of Technical Teachers' Training and Research, India)

Poster Number: I2

Eposter Scheduled: 1:00pm – 1:15pm, Millennium Room

Poster - Impact of Geomagnetic disturbances on Ionospheric critical frequency (f_oF_2)

Azeem, Irfan (ASTRA)

Poster Number: I9

Eposter Scheduled: 1:20pm – 1:35pm, Millennium Room

Poster - Ground-Based GPS TEC Measurements of Traveling Ionospheric Disturbances Produced by Tropospheric Weather and Seismic Phenomena

Azeem, Irfan (ASTRA)

Poster Number: I10

Poster - Recent Results of Phase Scintillation and TEC from a Latitude Chain of GPS Receivers in Alaska

Berdermann, Jens (German Aerospace Center)

Poster Number: I1

Poster - Provision of value added services within the ESPAS system

Comberiate, Joseph (JHU/Applied Physics Laboratory)

Poster Number: I5

Poster - Three-Dimensional Ionosphere and Scintillation Data Products with DMSP/SSUSI

Chen, Weihan (National Cheng Kung University)

Poster Number: I15

Poster - Global ionosphere monitoring and forecast using data assimilation of FORMOSAT-3/COSMIC and GPS data

Dandenault, Patrick (JHU/Applied Physics Laboratory)

Poster Number: I6

Poster - Remote Sensing of the Ionosphere: Operational Space Weather from DMSP/SSUSI

Deng, Yue (University of Texas at Arlington)

Poster Number: I3

Poster - Analysis of equatorial F-region vertical neutral winds from Brazil FPI observations

Gentile, Louise (Air Force Research Laboratory)

Poster Number: I4

Poster - C/NOFS Thermospheric Research and Reentry Experiment (T-RREX)

Hsu, Chih-Ting (NOAA/NCU)

Poster Number: I14

Poster - Global ionospheric specification and forecasting by inferring unobserved thermospheric and ionospheric state variables via an Ensemble Kalman Filter

Kilcommons, Liam (University of Colorado, Boulder)

Poster Number: I23

Epouser Scheduled: 1:40pm – 1:55pm, Millennium Room

Poster - AtModExplorer: an open source tool for visually exploring (empirical) atmospheric models

Meehan, Jennifer (Utah State University)

Poster Number: I17

Poster - Ionospheric Scale Height and its Relationship to Upper Atmospheric Neutral and Plasma Temperatures

Maruyama, Naomi (NOAA/NWS)

Poster Number: I13

Epouser Scheduled: 2:00pm – 2:15pm, Millennium Room

Poster - Ionosphere Plasmasphere Electrodynamics (IPE) model development for space weather application

Matsuo, Tomoko (NOAA/NWS)

Poster Number: I16

Poster - Predictability and Ensemble Modeling of the Space-Atmosphere Interaction Region

McGranaghan, Ryan (University of Colorado, Boulder)

Poster Number: I20

Poster - A fast, parameterized model of the upper atmospheric ionization, densities, and conductivity

Pilinski, Marcin (ASTRA)

Poster Number: I11

Poster - Ensemble Assimilation Using First-Principles Models as a Tool for Three-Day Space Weather Forecasts

Schaefer, Robert (JHU/Applied Physics Laboratory)

Poster Number: I8

Poster - UV Imaging of Space Weather

Shim, Ja Soon (CUA/NASA GSFC)

Poster Number: I19

Poster - Modeling and validation of neutral density in higher altitude regions

Stohl, Emily (University of Colorado, Boulder)

Poster Number: I22

Poster - Global Scale Views of Upper Atmosphere Power Input and Output

Wang, Houjun (University of Colorado, Boulder)

Poster Number: I12

Poster - Ionospheric Forecast during Sudden Stratospheric Warming Using the IDEA Model

Wu, Qian (National Center for Atmospheric Research)

Poster Number: I21

Poster - Thermospheric Wind Observation and Space Weather Research at NCAR

Yudin, Valery (University of Colorado)

Poster Number: I18

Poster - Designing OSSE in the Whole Atmosphere Models: Analysis of GOLD and ICON
Observations for Near Real Time Space Weather Predictions

Zhang, Yongliang (JHU/Applied Physics Laboratory)

Poster Number: I7

Poster - Real-time identification of radar auroral clutter using SSUSI data

Magnetosphere Research and Applications (Thursday)

Fox, Nicola (JHU/Applied Physics Laboratory)

Poster Number: M1

Poster - Space Weather with the Van Allen Probes

Gannon, Jennifer (Computational Physics Inc.)

Poster Number: M14

Eposter Scheduled: 1:00pm – 1:15pm, Millennium Room

Poster - AVERT model for GIC Hazard Analysis

Golightly, Michael (Assurance Technology Corp)

Poster Number: M6

Poster - Design, calibration and specifications of the Space Environment In-Situ Suite (SEISS)
space weather instruments for the GOES-R program

Green, Janet (Space Hazards Applications)

Poster Number: M2

Poster - Testing Assumptions Underlying Radiation Belt Models

Kress, Brian (NOAA/NGDC)

Poster Number: M12

Poster - Geomagnetic cutoff response to variations in magnetospheric current systems

Matthiä, Daniel (German Aerospace Center (DLR))

Poster Number: M9

Poster - PANDOCA - Professional Aviation DOse CAculator

Meier, Matthias (German Aerospace Center)

Poster Number: M8

Poster - A space weather index for the radiation field at aviation altitudes

Nagatsuma, Tsutomu (National Institute of Information and Communications Technology)

Poster Number: M4

Poster - Development of NICT's MeV electron forecast model through the outer radiation belt

Nagatsuma, Tsutomu (National Institute of Information and Communications Technology)

Poster Number: M5

Poster - Initial Observations of Space Environment Data Acquisition Monitor (SEDA) on Board
Himawari - 8

Park, Eunsu (Kyung Hee University)

Poster Number: M13

Eposter Scheduled: 1:20pm – 1:35pm, Millennium Room

Poster - Observational test of magnetopause location models and nowcast of geosynchronous magnetopause crossings

Phillips, Tony (spaceweather.com)

Poster Number: M10

Poster - Rads on a Plane

Rigler, Josh (USGS)

Poster Number: M15

Poster - Dynamic geomagnetic hazard maps in space weather operations

Tobiska, W. Kent (Space Environment Technologies)

Poster Number: M11

Eposter Scheduled: 1:40pm – 1:55pm, Millennium Room

Poster - Operational advances for atmospheric radiation dose rate specification

Woodroffe, Jesse (Los Alamos National Laboratory)

Poster Number: M3

Poster - The LANL SHIELDS Project

Yi, Kangwoo (Kyung Hee University)

Poster Number: M7

Poster - Dependence of spacecraft anomalies at different orbits on electron/proton particle flux

Young, Shawn (AFRL)

Poster Number: M17

Poster - Initial Analysis of an Energetic Proton Capability

Zanetti, Lawrence (JHU/Applied Physics Laboratory)

Poster Number: M16

Eposter Scheduled: 2:00pm – 2:15pm, Millennium Room

Poster - Geomagnetic Disturbances – Prediction and Verification